



FAA-E-2595
September 17, 1975
Amendment 1

DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION SPECIFICATION

PASSIVE T/R LIMITER, BANDPASS, S-BAND 2.70 to 2.90 GHz

This amendment forms a part of FAA-E-2595, dated April 4, 1974.

Page 5, paragraph 4.4.1, delete the second line and substitute:
"production lot shall be subjected to reliability testing (paragraph 4.4.1.1), qualification testing (paragraph 4.4.3), and production testing (paragraph 4.4.4). Failure to".

Page 5, paragraph 4.4.1.1, delete the first line and substitute:
"4.4.1.1 Reliability testing.- The 12 T/R Limiters".

Page 5, paragraph 4.4.2, delete the first two lines and substitute:
"4.4.2 Type testing.- All lots subsequent to the initial lot shall be subject to reliability testing (paragraph 4.4.2.1) and production testing (paragraph 4.4.4). Failure to comply with the".

Page 6, paragraph 4.4.2.1, delete the third and fourth lines and substitute: "Level A-1, except temperature $40 \pm 5^{\circ}\text{C}$ to determine compliance with paragraph 3.3. Limiters which fail shall not be repaired or replaced."

Page 6, paragraph 4.4.2.1, delete the last three lines and substitute:
"part of the deliverable quantity as specified in the contract. Details of life testing requirements are given in paragraph 4.4.5. Pulse power measurements must be made on all devices at periodic intervals to assure specification compliance as a minimum."

Page 6, paragraph 4.4.3, delete line three and substitute: "qualification testing described in paragraph 4.4.1."

Page 6, paragraph 4.4.3.1, delete the last line and substitute: "Pi = .5 milliwatt (MAX)."

Page 6, paragraph 4.4.3.2, delete the last two lines and substitute: "tp = $.8 \pm .1$ us, prr = 1000 pps."

Page 6, paragraph 4.4.3.3, add: "Pi = .5 milliwatt (MAX)."

Page 6, paragraph 4.4.3.4, delete the second line and the last two lines and substitute: "F = 2.70, 2.80, and 2.90 GHz $\pm 1\%$, tp = $.8 \pm .1$ us, prr = 1000 pps."

Page 7, paragraph 4.4.3.7, delete the first two lines and substitute: "4.4.3.7 Pressurization.- Method 4003, 50 psia - the complete assembly".

Page 7, paragraph 4.4.3.8, delete the last line and substitute: "prr = 1000 pps."

Page 7, paragraph 4.4.4.1, add: "Pi = .5 milliwatt (MAX)."

Page 7, paragraph 4.4.4.2, delete the first and last lines and substitute: "4.4.4.2 Flat leakage power.- 40 mw (MAX), Method 4452, prr = 1000 pps."

Page 7, paragraph 4.4.4.3, add: "Pi = .5 milliwatt (MAX)."

Page 7, paragraph 4.4.4.4, delete the last line and substitute: "prr = 1000 pps."

Page 8, paragraph 4.4.5.1, delete the first and last lines and substitute: "4.4.5.1 Life test, test conditions.- 5000 hrs. MTBF (MIN) per paragraphs 3.3.1, 4.4.1.1, and 4.4.2.1, prr = 1000 pps".

Page 8, paragraph 4.4.5.2, add: "Low level VSWR 1.3:1 (MAX)".

Page 8, paragraph 5.1, delete in its entirety and substitute the following: "5.1 General packaging requirements.- As specified in the production contract."

Page 8, delete the last line and substitute: "Figure 1 and 2, Mechanical Specifications. See pages 9 and 10."

Page 9, delete the page in its entirety and substitute new pages 9 and 10.

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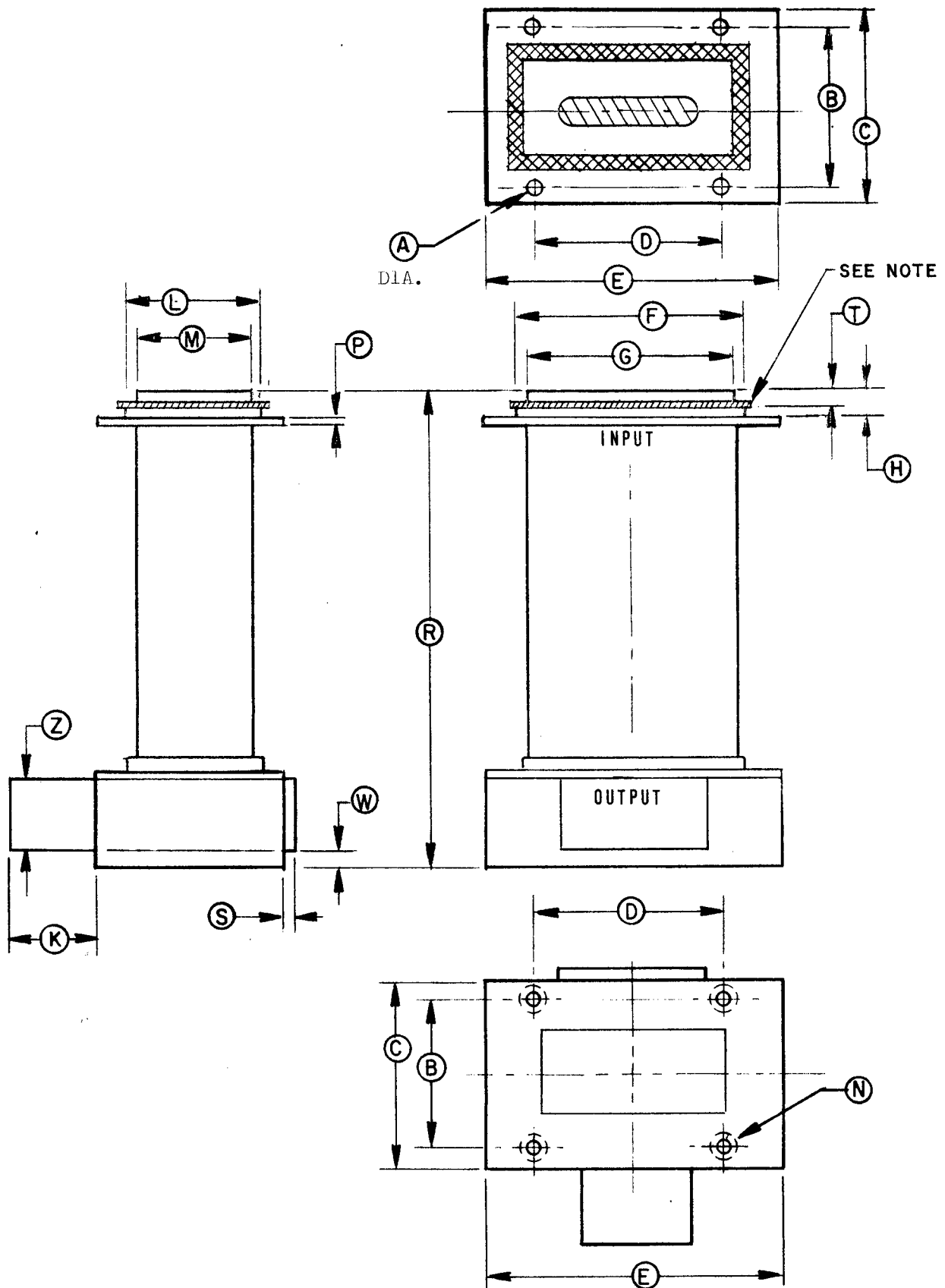


Figure 1
Mechanical Specifications

DIMENSIONS				
LETTER	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
G	---	3.008	---	76.40
H	0.347	0.377	8.81	9.58
K	---	1.200	---	30.48
M	---	1.508	---	38.30
R	6.580	6.640	167.13	168.66
S	---	0.187	---	4.75
T	0.165	0.195	4.19	4.95
W	0.250	---	6.35	---
A	0.204	0.234	5.18	5.94
B	2.240	2.260	56.90	57.41
D	2.490	2.510	63.26	63.75
F	3.203	3.233	81.36	82.12
L	1.703	1.733	43.26	44.02
N	#10-32 UNF-2B Tap 3/8 DP (4) PL			
C	2.610	2.640	66.29	67.06
E	4.110	4.140	104.39	105.16
P	0.110	0.140	2.79	3.56
Z	---	.965	---	24.51

NOTE: Gasket Per 189 JAN

Figure 2
Mechanical Specifications